

## REMARKS

Applicants thank Examiner Liu for the analysis contained in the Office Action dated August 25, 2003, and respectfully request reconsideration of the present application in light of the amendments presented herein.

Claims 6 and 7 were rejected under 35 U.S.C. § 112 as being indefinite. These claims have been amended to remove reference to the "received pulsed signal" and to use language for which there is antecedent basis in Claim 1.

Claim 8 has also been amended to remove an inconsistency in the preamble.

Claims 1, 2, 5 and 11 were rejected under 35 U.S.C. § 102 as being anticipated by Pinkney et al. (IEEE 02/1999). In a telephone interview conducted October 3, 2003, the Examiner informed applicants' undersigned attorney that the rejection based on Pinkney was withdrawn in view of the declarations previously filed herein. The finality of the Office Action was also withdrawn.

Claims 8 and 9 were rejected under 35 U.S.C. § 102 as being anticipated by Takeuchi. Applicants respectfully traverse this rejection.

Claim 8 states that "the excitation of each of the plural filters corresponds to a different transmitted symbol value," which is neither disclosed nor suggested by Takeuchi.

The examiner appears to misunderstand the Takeuchi reference. Figure 4 of Takeuchi shows a series of data pulses. Figures 5 and 6 of Takeuchi shows differential output of a single filter due to different input symbols. Thus, rather than showing plural filters with each filter corresponding to a different transmitted symbol value as claimed, all Takeuchi shows is one filter with different inputs and therefor different outputs. Hence, Takeuchi is completely different from what is claimed in Claim 8.

Claim 9 and new Claim 13 depend on Claim 8. Claims 9 and 13 are believed to be allowable for the subject matter they recite and for their dependence on allowable Claim 8.

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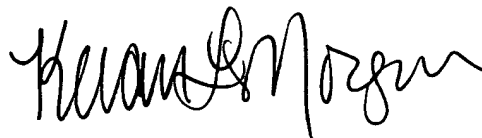
CONCLUSION

For the above reasons, it is respectfully requested that the Examiner reconsider and withdraw the rejections, and allow the pending claims.

Applicants submit that the application is now in condition for allowance, action to which end is respectfully requested.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to **Mail Stop AF**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

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